

**EPA**United States Environmental Protection Agency
Washington, D.C. 20460**Water Compliance Inspection Report****Section A: National Data System Coding (i.e. PCS)**

Transaction Code 1 N 2 5	NPDES 3 I D G 1 3 0 0 3 0 1 1	yr/mo/day 12 1 2 1 0 0 5 17	Inspection Type 18 R C	Inspector 19 S	Fac Type 20 3
Remarks 21 _____					
Inspection Work Days 67 0 3 5 69	Facility Self-Monitoring Evaluation Rating 70 5	BI 71 N	QA 72 N	Reserved 73 _____ 74 _____ 75 _____ 76 _____ 77 _____ 78 _____ 79 _____ 80 _____	

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) IDFG Mackay State Fish Hatchery 4848 N. 5600 W. Mackay, ID 83251	Entry Time/Date 10:00 AM 5-Oct-12	Permit Effective Date 1-Dec-07
	Exit Time/Date 12:00 PM 5-Oct-12	Permit Expiration Date 30-Nov-12
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Numbers Pat Moore and Robert (Mick) Hoover Hatchery Managers (208) 588-2219	Other Facility Data (e.g., SIC, NAICS, and other descriptive information) SIC code: 0273 0921 NAICS Code: 112511	
Name, Address of Responsible Official/Title/Phone and Fax Number State of Idaho Idaho Department of Fish and Game 600 S. Walnut St. Bosie, ID 83707	Contacted <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

<input checked="" type="checkbox"/> Permit	<input checked="" type="checkbox"/> Self-Monitoring Program	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> MS4
<input checked="" type="checkbox"/> Records/Reports	<input type="checkbox"/> Compliance Schedule	<input type="checkbox"/> Pollution Prevention	
<input checked="" type="checkbox"/> Facility Site Review	<input type="checkbox"/> Laboratory	<input type="checkbox"/> Storm Water	
<input checked="" type="checkbox"/> Effluent/Receiving Waters	<input checked="" type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> Combined Sewer Overflow	
<input checked="" type="checkbox"/> Flow Measurement	<input type="checkbox"/> Sludge Handling/Disposal	<input type="checkbox"/> Sanitary Sewer Overflow	

Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes	SEV Description
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	_____
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	_____ (See attached inspection report)
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	_____
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	_____

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Inspection & Enforcement Management Unit
(IEMU)

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Numbers	Date
William Teuscher <i>William Teuscher</i>	900 N Skyline Dr. Idaho Falls, ID 83402 (208) 528-2650	5-Oct-12
A.J. Maupin <i>A.J. Maupin</i>	IDEQ/State Office/(208) 373-0167 / Fax (208) 373-0576	9-Oct-12

EPA Form 3560-3 (Rev 1-06) Previous editions are obsolete

ICIS 11-26-2012
(per advance copy)*JTBrown*

INSTRUCTIONS

Section A: National Data System Coding (i.e., PCS)

Column 1: Transaction Code: Use N, C, or D for New, Change, or Delete. All inspections will be new unless there is an error in the data entered.

Columns 3-11: NPDES Permit No. Enter the facility's NPDES permit number - third character in permit number indicates permit type for U=unpermitted, O=general permit, etc. (Use the Remarks columns to record the State permit number, if necessary)

Columns 12-17: Inspection Date. Insert the date entry was made into the facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

Column 18: Inspection Type*. Use one of the codes listed below to describe the type of inspection:

A Performance Audit	U IU Inspection with Pretreatment Audit	I Pretreatment Compliance (Oversight)
B Compliance Biomonitoring	X Toxics Inspection	@ Follow-up (enforcement)
C Compliance Evaluation (non-sampling)	Z Sludge - Biosolids	{ Storm Water-Construction-Sampling
D Diagnostic	# Combined Sewer Overflow-Sampling	} Storm Water-Construction-Non-Sampling
F Pretreatment (Follow-up)	\$ Combined Sewer Overflow-Non-Sampling	Storm Water-Non-Construction-Sampling
G Pretreatment (Audit)	+ Sanitary Sewer Overflow-Sampling	Storm Water-Non-Construction-Non-Sampling
I Industrial User (IU) Inspection	& Sanitary Sewer Overflow-Non-Sampling	Storm Water-MS4-Sampling
J Complaints	\ CAFO-Sampling	Storm Water-MS4-Non-Sampling
M Multimedia	= CAFO-Non-Sampling	> Storm Water-MS4-Audit
N Spill	2 IU Sampling Inspection	
O Compliance Evaluation (Oversight)	3 IU Non-Sampling Inspection	
P Pretreatment Compliance Inspection	4 IU Toxics Inspection	
R Reconnaissance	5 IU Sampling Inspection with Pretreatment	
S Compliance Sampling	6 IU Non-Sampling Inspection with Pretreatment	
	7 IU Toxics with Pretreatment	

Column 19: Inspector Code. Use one of the codes listed below to describe the lead agency in the inspection.

A State (Contractor)	O Other Inspectors, Federal/EPA (Specify in Remarks columns)
B EPA (Contractor)	P Other Inspectors, State (Specify in Remarks columns)
E Corps of Engineers	R EPA Regional Inspector
J Joint EPA/State Inspectors—EPA Lead	S State Inspector
L Local Health Department (State)	T Joint State/EPA Inspectors—State lead
N NEIC Inspectors	

Column 20: Facility Type. Use one of the codes below to describe the facility.

- 1 Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.
- 2 Industrial. Other than municipal, agricultural, and Federal facilities
- 3 Agricultural. Facilities classified with 1987 SIC 0111 to 0971.
- 4 Federal. Facilities identified as Federal by the EPA Regional Office.
- 5 Oil & Gas. Facilities classified with 1987 SIC 1311 to 1389.

Columns 21-66: Remarks. These columns are reserved for remarks at the discretion of the Region.

Columns 67-69: Inspection Work Days. Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, and remote sensing; and the billed payroll time for travel and pre and post inspection preparation. This estimate does not require detailed documentation.

Column 70: Facility Evaluation Rating. Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

Column 71: Biomonitoring Information. Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

Column 72: Quality Assurance Data Inspection. Enter Q if the inspection was conducted as followup on quality assurance sample results. Enter N otherwise.

Columns 73-80: These columns are reserved for regionally defined information.

Section B: Facility Data

This section is self-explanatory except for "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, other updates to the record, SIC/NAICS Codes, Latitude/Longitude).

Section C: Areas Evaluated During Inspection



Idaho Department of Environmental Quality AQUACULTURE FACILITY INSPECTION SURVEY

General NPDES Permit Numbers IDG-130000

Effective: December 1, 2007. Expiration: November 30, 2012

NOI Submission: On or by June 3, 2012 (for next permit cycle)

PURPOSE OF INSPECTION	Determination of compliance with NPDES permit and the Clean Water Act.
TYPE OF INSPECTION	<input type="checkbox"/> Unannounced <input checked="" type="checkbox"/> Announced <input type="checkbox"/> CSI <input checked="" type="checkbox"/> CEI <input type="checkbox"/> Recon
DATE(S) OF PREVIOUS NPDES INSPECTIONS	Date: March 12, 2009 by EPA Date: Date:
PENDING OR CURRENT ENFORCEMENT ACTIONS (review NOV and warning letters on file)	1. None 2. 3.
PRIMARY FACILITY NAME	IDFG Mackay, State Fish Hatchery
OTHER NAME(S) USED FOR FACILITY	
NPDES PERMIT #	IDG-130030
FACILITY CONTACT	Name: Pat Moore and Robert (Mick) Hoover Position: Managers Phone Number: (208) 588-2219 Fax Number: (208) 588-2408 Email: mick.hoover@idfg.idaho.gov
FACILITY SIZE (annual fish production; affects frequency of monitoring requirements in parentheses). Confirm production and monitoring frequency during the inspection.	> 500,000 (monthly) 100,000 - 500,000 (quarterly) <u>< 100,000 (semi-annual)</u> Other (explain)
INSPECTOR(S) AND AFFILIATION	William Teuscher PE, Water Quality Engineer Idaho Department of Environmental Quality Idaho Falls Regional Office
DATE OF INSPECTION	Date: October 5, 2012 Arrival Time: 10:00 am Departure Time: 12:00pm
Photo of facility sign, if any, and facility	
DATE OF FINAL REPORT	Date: October 9, 2012

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Aquaculture Facility Inspection Survey

Inspection & Enforcement Management Unit
(IEMU)

ENTRY AND PERMIT CONDITIONS REVIEW

X Present your credentials and provide a business card.

OPENING CONFERENCE	
1. Explain the purpose of the inspection and how the inspection will proceed.	Remarks: Started with file review and then facility inspection.
2. Review the issuance and expiration dates of the facility's NPDES permit.	Remarks: YES
3. [I.C.3.c.] Explain the NOI and the date of submission prior to the expiration date of the permit (June 3, 2012 – 180 days prior to expiration).	Remarks: YES This was completed and sent by permittee on January 12, 2012. IDEQ also has copy in their file.
4. Explain that the inspection will involve a review of DMRs, QA Plan, BMP Plan, the most recent NOI, Receiving Water Monitoring Report & the Annual Report.	Remarks: YES
5. Explain that the inspection will involve a site tour/visit of the facility.	Remarks: YES
6. Are all necessary personnel present for the inspection?	Remarks: YES
7. Will any chemicals or hazardous chemicals be encountered during the site tour/visit?	Remarks: NO
8. Does the permittee have any questions before proceeding with the inspection?	Remarks: NO
PRELIMINARY QUESTIONS	
1. Obtain representative's name, position, and phone number.	Name: and Robert (Mick) Hoover Position: Manager Phone: (208) 588-2219 Email: mick.hoover@idfg.idaho.gov
2. How long has the representative worked for the company?	Mick Hoover for over 15 years.
3. How long has he/she held the position?	
4. Other representative(s) present for the inspection.	Name: Pat Moore Position: Manager Phone: (208) 588-2219 Email: pat.moore@idfg.idaho.gov
NOTICE OF INTENT (NOI)	
NOI Review: Show the interviewee the NOI, and ask him/her to review it for errors. If errors are found, ask him/her to correct the errors and initial the corrections. A new NOI should be submitted if several corrections are made.	
1. What is the date of the most recently submitted NOI?	January 12, 2012
2. Is the NOI complete and current?	Yes No
3. Have any structural changes been made to the facility recently?	Yes No
4. Any structural changes anticipated? (Plan and Spec review required of IDEQ, if so; see	Yes No

Aquaculture Facility Inspection Survey

page 47; Part VII.2.)	
FACILITY LOCATION, ETC. (see NOI)	Address: 4848 N. 5600 W. Mackay, ID 83251 Phone: (208) 588-2219 Fax: (208) 2408 Email: mick.hoover@idfg.idaho.gov
OWNER NAME	Idaho Department of Fish and Game
OWNER ADDRESS	Address: IDFG 600 S. Walnut St. Boise, ID 83712 Phone Number: (208) 334-3700 Fax: (208) 334-2718 E-mail:
OPERATOR NAME	
OPERATOR ADDRESS	Address: SEE ABOVE Phone Number: Fax: E-mail:
PERMIT TRANSFERS	Yes
1. Is this a new operator?	No
If new, review the following: According to VII. I. "Transfers. Authorization to discharge under this permit may be automatically transferred to a new permittee on the date specified in the agreement only if: 1. The current permittee notifies the Director of the Office of Water and Watersheds at least 30 days in advance of the proposed transfer date; 2. The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility and liability between them; and 3. The Director does not notify the existing permittee and the new permittees of its intent to revoke and reissue the authorization to discharge.	
2. Was EPA and IDEQ notified in writing of the transfer?	<input type="checkbox"/> Yes <input type="checkbox"/> NA <input type="checkbox"/> No
LOCATION OF FACILITY Previous GPS: Latitude: N Longitude: W Date: Time:	GPS taken at entrance to facility: Latitude: N Longitude: W Date: Time: Count: Google Earth GPS at entrance to facility: Latitude: 43° 58' 35.5" N Longitude: 113° 49' 43.8" W Elevation: 6258 ft Date: 26 November 2012
AUTHORIZATION TO DISCHARGE	
1. Did you receive a letter authorizing you to discharge?	Yes No letter from EPA
2. "Addressee" on the authorization to discharge letter:	Name: NA
3. Is this correct?	Yes No: name
4. Do you have a copy of the permit?	Yes No

5. Is the facility currently discharging?	Yes No
6. Was the facility containing, growing or holding fish on December 1, 2007 (effective date of the permit)?	Yes No
7. If not currently discharging, when do you expect to rear fish again at this facility?	NA Date:
8. [II.A.1. & 2. (p 10)] Do you plan to participate in Pollutant Trading?	Yes No
(We will add more questions later once pollutant trading starts to happen.)	
PROHIBITED DISCHARGES	
Part II.B., Page 29. Review the prohibited discharges 1 & 2 (a-h) with the interviewee. COMPLETE	
1. Have you had any such prohibited discharges that you know of since December 1, 2007?	Yes No
2. Do you expect to have any difficulty prohibiting such discharges from this facility?	Yes NA No
Questions or Comments:	
PROHIBITED PRACTICES	
Part II.C., Pages 29-30. Review the prohibited practices 1 - 2 with the interviewee. COMPLETE	
1. Have you or any other employee engaged in any of these prohibited practices that you know of since December 1, 2007?	Yes No
2. Do you expect to have any difficulty prohibiting such practices at this facility?	Yes NA No
Questions or Comments:	
DMR - FACILITY MONITORING REQUIREMENTS	
Part II.D., (see page 30-33). Ask to see the recent DMRs and raw data. Review to determine if the permittee is filling in the correct data (influent, effluent raw data, and effluent net). See page 30, II.D.2.b., for requirement when data are less than MDL. According to II. D., "The permittee shall monitor discharges from all outfalls authorized under the permit as specified in Tables 12 and 13..." (see pages 30-33) For frequency requirements, see footnote 16 of Table 12, and footnote 29 of Table 13 for OLSBs)	
1. When was the last monitoring event?	April 2012/ next period Oct 2012
2. Who conducted the monitoring?	Mick Hoover
3. Is this the person who usually conducts the monitoring?	Yes No
4. Who fills out the DMRs?	Mick Hoover
5. When was the most recent DMR submitted to EPA and IDEQ?	They are submitted each month – September 2012
6. [II.D.1.] Do you monitor discharges from all outfalls authorized under this permit as specified in Table 12 (p 31) (Raceways and FFSBs) and Table 13 (p 32) (OLSBs)?	Yes No
7. [II.D.2.a.] Do you use methods that can achieve MDLs less than or equal to those specified in Table 15 (p 34)?	Yes No
8. [II.D.2.b.] For purposes of reporting on the DMR, do you comply with Appendix D, 4?	Yes No

9. Influent Water Sources	
a. How many influent sources?	1
b. Are all influent sources monitored for flow?	Yes No
c. Are all influent sources monitored for WQ parameters?	Yes No
d. Are all influent sources combined into one sample to determine flow and/or WQ parameters?	Yes No
10. Raceways and FFSBs Discharges [II.D.3] (Table 12, p 31)	
a. [II.D.3.a.] Timing: Are all influent and effluent samples and flow measurements taken on the same day?	Yes No
b. [II.D.3.b.] Timing: If your facility has multiple effluent discharge points and/or influent points, do you composite samples from all points proportionally to their respective flow?	Yes NA No
c. [II.D.e.b.] Location: Are effluent samples from the effluent stream collected just prior to discharge into the receiving waters?	Yes No
d. [II.D.e.b.] Location: If the effluent stream mixes with other flows, do you collect effluent samples from the effluent stream just prior to discharge into receiving waters?	Yes NA No
e. [II.D.e.b.] Location: If the facility with raceways discharges to a FFSB(s), do you collect effluent samples from the FFSB(s) just prior to discharge into the receiving waters?	Yes No
f. [II.D.3.c.] Small discharges: Does the facility have small discharges that comprise less than 1% of the total raceway flows?	Yes No
g. [II.D.3.c.] Small discharges: Are the flows of these small discharges monitored at a minimum of once per year?	Yes NA No
h. [Table 12, p 31, Footnote 17] What is the interval of discrete sampling for the composite sample? (The permit requires four or more discrete samples taken at one-half hour intervals or greater in a 24 hour period.)	
i. [Table 12, p 31, Footnote 17] When sampling raceway discharge, is at least one sample taken during quiescent zone or raceway cleaning? ("at least ¼ of the samples")	Yes No
If not, why not?	
j. [Table 12, p 32, Footnote 17] What types of samples are taken for influent? (permittees with spring influents may elect to take grabs, page 32, footnote 17)	Flow, TSS, Temp, TP, TRC, Hardness, TIN, TN
k. How and where is flow measured for the raceways? And by whom?	Raceway basin effluent with stand pipe and measuring gauge or ruler. By Mick Hoover.

l. [Table 12, p 31, Footnote 14] Is this flow measurement method one of those specified in Appendix E. Part I.A. (p 79)?	Yes No
m. [Table 12, p 32, Footnote 18] Are all influent and effluent samples and flow measurements taken on the same day?	Yes No There is no way to measure influent flow. Spring is collected underground no access.
n. [Table 12, p 31, Footnote 15] Is flow measurement taken concurrently with each pollutant sampling, when applicable, once for every composite sample? Or is it taken on either the influent or effluent as long as the measurement at that location accurately reflects the discharge flow to the receiving water?	Yes No Yes No
11. How is the flow measuring device calibrated? And by whom? The flow is measured by a control weir (overflow pipe) and depth of flow is measured over the end of pipe edge. Flow is taken with manual depth measurement. No other metering device or flow meter is used thus no calibration is needed.	
12. OLSBs Monitoring Measurements [II.D.4.]:	
a. [II.D.4.] Does the facility collect effluent samples from the effluent stream just prior to discharge into the receiving waters?	Yes NA OLSB do not discharge. No
b. [Table 13, p 32, Footnote 25] Are OLSB influent and effluent samples collected during quiescent zone cleaning?	Yes No
c. How and where is flow measured for the OLSBs? And by whom?	
d. [Table 13, p 32, Footnote 27] Is the flow measurement one of those specified in Appendix E.I.A.?	Yes No
e. [Table 13, p 33, Footnote 28] For OLSB effluent or influent, are flow measurements taken concurrently with pollutant sampling, when applicable? Or is it taken on either OLSB influent or effluent as long as the measurement at that location accurately reflects the discharge flow to the receiving water?	Yes No Yes No
f. [Table 13, p 33, Footnote 30] Does the facility monitor for composite samples? If so, does the composite sample represent 4 or more discrete samples taken at ½ hour intervals or greater in a 24-hour period? Do the composite samples represent multiple effluent discharge points and/or influent points as same day samples from all point proportionally to their respective flows?	Yes No Yes No Yes No
g. How and where is flow measured for the OLSBs? And by whom?	
h. How is the flow measuring device calibrated?	

And by whom?	
i. [Table 12, p 31, Footnote 16] What is monitoring frequency of the OLSBs?	
k. [Table 12, p 31, Footnote 18] Are all influent and effluent samples and flow measurements taken on the same day?	Yes No
l. [Table 12, p 32, Footnote 20] Does the facility monitor for temperature?	Yes No
m. [Table 12, p 32, Footnote 21] Does the facility monitor for copper?	Yes No
13. [Table 12, p 32, Footnote 19] Was net effluent load recorded on the DMR calculated correctly? (check a few DMRs; see Appendix D, page 75 for equations)	Yes No
14. Are you aware of any recent violations of the permit limits? What was the limit that was exceeded? Date of the exceedance.	Yes No
15. Are the data reported properly on the DMRs?	Yes No
16. Are DMR data consistent with analytical results?	Yes No
RECEIVING WATER MONITORING	
Part II.E., (see pages 33-35). According to II.C.1., "All permittees with OLSB that discharge directly to receiving water must conduct receiving water monitoring for ammonia, pH, and temperature upstream from the outfall." And 2, "All facilities using chelated copper compounds or copper sulfate must monitor total recoverable copper and hardness immediately upstream of the outfall at least once in any quarter when these compounds are applied..." Ask to see the QA Plan which will describe where the samples are taken in the receiving stream.	
1. [II.E.1.] Does the facility have an OLSB discharging to a receiving stream?	Yes No
If so, are you monitoring receiving water for ammonia, pH, and temperature upstream from the outfall?	Yes No
2. [II.E.2.] Does the facility use chelated copper compounds or copper sulfate?	Yes No
If so, are you monitoring receiving water for total recoverable copper and hardness immediately upstream of the outfall in any quarter?	Yes No NA
3. [II.E.3.] Are receiving water samples grab samples and are they collected during the time when effluent composite samples are being collected for the same parameters?	Yes No NA
4. [II.E.4.] Are receiving water samples analyzed using EPA approved methods capable of achieving method detection limits (MDLs) that are equivalent to or less than those listed in Table 15 (Permit, p 34)?	Yes No NA
5. [II.E.5.] Are you submitting the results to EPA and IDEQ	Yes

Aquaculture Facility Inspection Survey

with the DMRs?	No NA
6. [II.E.6.] Are receiving water monitoring results submitted to EPA with copies to IDEQ with the DMRs for the month when the monitoring is conducted? Does the DMR report include all information required in Part V.E. and a summary and evaluation of the analytical results, including a short discussion of the accuracy and precision of the data, any problems with sample collection or analysis that may have affected the results, or what conditions existed at the time of the sample collection that may be relevant to how representative the data may be of the normal conditions at that site?	Yes No NA
7. [II.E.7.] Is quality assurance/quality control plans (QA/QC plans) for all the monitoring, documented in the QA Plan required under Part II.F (Quality Assurance Plan)?	Yes No NA
QUALITY ASSURANCE PLAN (QA PLAN)	
Part II.F., (see page 35). According to II.F. "The permittee must develop a QA plan for all monitoring required by this permit. The plan must be developed and implemented within 60 days of coverage under this permit."	
1. [II.F.] Do you have a QA plan?	Yes No
2. [II.F.] When did you submit the certification (Appendix F) that a plan has been developed and is being implemented?	January 2010 revision.
3. [II.F.1.] Is the QA Plan designed to assist in planning for the collection and analysis of effluent and receiving water samples in support of the permit and in explaining data anomalies when they occur?	Yes No
4. [II.F.2.] During all sample collection and analysis activities, does the permittee use the EPA-approved quality assurance and quality control (QA/QC) and chain-of-custody procedures described in EPA/QA/R-5 and EPA/QA/G-5?	Yes No
5. [II.F.2.] Is the QA Plan prepared in the format that is specified in EPA/QA/R-5 and EPA/QA/G-5?	Yes No
6. [II.F.3.a)] Does the QA Plan include: details on the number of samples, type of sample containers, preservation of samples including temperature requirements, holding times, analytical methods, analytical detection and quantification limits for each parameter, type and number of quality assurance field samples, precision and accuracy requirements, sample preparation requirements, sample shipping methods, and laboratory data delivery requirements?	Yes No If not, what is missing?
7. [II.F.3.b)] Does the QA Plan must include: description of flow measuring devices or methods used to measure influent and/or effluent flow at each point, calibration procedures, and calculations used to convert to flow units. If a permittee's facility has multiple effluent discharge points and/or influent points, it must describe its method of compositing samples	Yes No If not, what is missing?

from all points proportionally to their respective flows?	
8. [II.F.3.b.(1)] If you elected to take grab samples of influents, does the plan provide evidence of insignificant variability among influent sources?	Yes No
9. [II.F.3.b.(2)] If you elected to not monitor small discharges that comprise less than 1% of the total raceway flows, does the plan provide justification that effluent quality of these discharges is the same as monitored discharges?	Yes No
8. [II.F.3.c.] Does the QA Plan include a map(s) of sampling points, including receiving water sampling locations and justification for the choice of the sampling?	Yes No
11. [II.F.3.c.] Does the QA Plan have a location of the small discharges that comprise less than 1% of the total raceway flows?	Yes No NA
12. [II.F.4.d.] Does the QA Plan include qualifications and trainings of personnel?	Yes No
13. [II.F.4.e.] Does the QA Plan include the laboratory name and telephone number?	Yes No
14. [II.F.5.] Are copies of the QA Plan kept on site and made available to EPA and IDEQ upon request?	Yes No
If lack of suitable storage area makes on-site storage impossible, is the QA Plan kept in the possession of staff whenever they are working on-site?	Yes No NA
15. Is facility following / using the QA Plan?	Yes No
BEST MANAGEMENT PRACTICES PLAN (BMP PLAN)	
Part III (see page 36). According to Part III.C., "the permittee must develop and implement a BMP Plan which meets the specific requirements listed in Part III.E.	
1. Do you have a BMP plan?	Yes No
If not on site, is it in the possession of staff when they are working on-site?	Yes No N/A
2. When did you submit the certification (Appendix F) that a plan has been developed?	January 2010 revision
3. Chemical Storage	
a. ensure proper storage to prevent spills,	Yes No
b. implement procedures for proper containing, cleaning and disposing of spilled material.	Yes No
4. Structural Maintenance	
a. routinely inspect rearing and holding units and waste collection containment to identify and promptly repair damage,	Yes No

How often?	
b. regularly conduct maintenance of rearing and holding units and waste collection and containment systems to ensure their proper function	Yes No
5. Training Requirements:	
a. Train personnel in spill prevention and clean-up and disposal of spilled materials.	Yes No
b. Train personnel on proper structural inspection and maintenance of rearing and holding units and waste collection and containment systems.	Yes No
6. Operational Requirements:	
a. Water which is disinfected with chlorine or other chemicals must be treated before it is discharged to waters of the U.S.	Yes No
b. Treatment equipment used to control the discharge of floating, suspended or submerged matter must be cleaned and maintained at a frequency sufficient to prevent overflow or bypass of the treatment unit by floating, suspended, or submerged matter.	Yes No
c. Procedures must be implemented to prevent fish from entering quiescent zones, full-flow and off-line settling basins. Fish which have entered quiescent zones or basins must be removed as soon as practicable.	Yes No
d. All drugs and pesticides must be used in accordance with applicable label directions (FIFRA or FDA)	Yes No
e. Chelated copper compounds and copper sulfate, when used, must be applied to only one raceway at a time.	No NA Yes
f. Identify and implement procedures to collect, store, and dispose of wastes, such as biological wastes, in accordance with IDAPA §02.04.17 and IDAPA §58.01.02. Such wastes include fish mortalities and other processing solid wastes from aquaculture.	No Yes
g. Implement procedures to control the release of transgenic or non-native fish or their diseases as specified in any permit(s) issued by the Idaho Department of Fish and Game for the importation, transportation, release or sale of such species, in accordance with IDAPA §13.01.10.100.	No Yes
h. Implement procedures to eliminate the release of PCBs from any known sources in the facility, including paint, caulk, or feed	No Yes
When was the BMP Plan updated recently?	BMP Plan was prepare 2008 and updated with format changes January 2010.
AQUACULTURE SPECIFIC REPORTING REQUIREMENTS (Part IV., Page 38)	

A. Drug And Other Chemical Use And Reporting Requirements (see pages 38-39)	
1. Do you use drugs, pesticides or other chemicals?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, ask to see the Chemical Log Sheet. (see Appendix G, page 91)	
2. Are records being maintained of all applications?	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. When an INAD or extralabel drug is used for the first time, you are required to report this orally and in writing to EPA and IDEQ.	Confirmed? X Yes No
Have you used INADs or plan to use INADs or extra label drugs?	Yes No
If so, have you written to EPA and IDEQ that you have signed up to use an INAD or prescription? (page 88)	Yes Date: _____
Have you provided an oral report to EPA and IDEQ of an INAD or prescription use? (page 87)	No Yes Date: _____
Have you provided a written report to EPA and IDEQ of an INAD or prescription use? (page 89)	No Yes Date: _____ No
B. Structural Failure (see page 39) Remind the interviewee of this new requirement: Failure or damage to the facility must be reported to EPA and IDEQ orally within 24 hours and in writing within five days when there is a resulting discharge of pollutants to waters of the U.S.	Confirmed? YES Yes No failures
C. Spills of feed, drugs, pesticides or other chemicals (see page 39) Remind the interviewee of this new requirement: The permittee must monitor and report to EPA and IDEQ any spills that result in a discharge to waters of the United States; these must be reported orally within 24 hours and in writing within five days.	Confirmed? YES No
D. Annual Report of Operations (see page 40) Remind the interviewee of this requirement: The permittee must prepare and submit an annual report of operations by January 20 th of each year to EPA and IDEQ. (see Appendix H, page 95-96 for form)	Confirmed? Yes No
1. Did you submit the last report as required?	Yes No
2. Is the annual report complete? (Check the report against the required elements on pages 95-96.)	Yes No
Ask to see the annual logs of production.	Yes

3. Are the logs consistent with what is reported in the annual report?	No
4. Was the facility able to provide all the required paper documentation requested?	Yes No
FACILITY PHYSICAL INSPECTION – SITE TOUR	
Objectives of the facility inspection include: identifying all discharges to the surface waters from the facility; observing and recording prohibited discharges or practices; and noting any problems. Many of these questions are subjective.	
1. Any excessive feed in the raceways?	Yes No
2. Any excessive solids stirred up in raceways?	Yes No
3. Are all the barrier dam boards in place and level?	Yes No
4. Any excessive solids built up in quiescent zones?	Yes No
5. Any excessive solids going over the dam boards.	Yes No
6. Any fish observed in the quiescent zones?	Yes No
Photo (s) of raceway(s) conditions above:	
DISCHARGES	
Photo (s) of raceway(s), tailrace, and/or full-flow settling basin discharges.	
Are there any unreported outfalls? (check observed against NOI)	Yes No
If so, describe:	
Photo (s) of receiving water(s), particularly documenting any of below:	
1. Any floating solids or visible foam in other than trace amounts?	Yes No
2. Any evidence of discharged sludge, grit or accumulated solid residues?	Yes No
3. Any floating or suspended or submerged matter, including dead fish, in amounts causing nuisance or objectionable condition?	Yes No
4. Location of the receiving water monitoring.	N/A
5. If the facility has an OLSB(s), is it discharging?	Yes No
Photo (s) of OLSB discharges	
RECEIVING WATERS	

Photo (s) of receiving water(s), particularly documenting any of the items below:	
1. Any floating solids or visible foam in other than trace amounts?	Yes No
2. Any evidence of discharged sludge, grit or accumulated solid residues?	Yes No
3. Any floating or suspended or submerged matter, including dead fish, in amounts causing nuisance or objectionable condition?	Yes No
FLOW MEASUREMENT DEVICE(S)	
1. Were flow measurements taken during inspection?	Yes No
Photo (s) of taking flow measurement: Effluent weir (end of vertical pipe edge) located at the effluent of the raceway. Depth of flow is measured manually at this location. No photos were taken of the weir or pipe.	
2. Location of flow measuring device for raceways:	Influent Head Box Raceway or Tailrace Effluent Other _____
3. How are flow measurements taken?	Across a dam board Contracted rectangular weir Other weir _____ Other _____
4. Location of flow measuring device for OLSBs:	Effluent Box Effluent Pipe QZ cleaning time Other _____
5. How are flow measurements taken?	Across a dam board V-Notched weir Other weir _____ Other _____
SAMPLING LOCATION & SAMPLING PREPARATION	
1. Are influent sample locations adequate?	Yes No
2. Are effluent sample locations adequate?	Yes No
3. Are samples refrigerated / iced down after sampling?	Yes No
4. Are samples iced down during transportation to contract Lab?	Yes No
SOLIDS CONTAINMENT & STORAGE	
1. Is the solids disposal area adequate?	Yes No
2. Removed solids prevented from reentry to navigable waters?	Yes No

3. Does the facility land apply solids or irrigate with or apply wastewater?	Yes No
INSPECTION CONCLUSION DATA SHEET (ICDS) INFORMATION	
1. Did you observe deficiencies (potential violations) during the on-site inspection?	Yes No
2. If so, did you communicate them to the facility during the inspection?	Yes No
3. Did the facility or operator take any corrective actions	Yes No
4. Did you provide general compliance assistance during the inspections?	Yes No
5. Did you provide site-specific compliance assistance?	Yes No
AREAS OF CONCERN	
1. NONE	
2.	
3.	
Other Issues:	

Exhibit A. PHOTO LOG

Photo #	Photo Description
MH1	QAP Cover / Format Revision Jan 2010
MH2	NOI January 12, 2012
MH3	NPDES General Permit on file at the site.
MH4	Cover of 2011 annual report on file at the site
MH5	BMP Cover / Format Revision Jan 2010
MH6	Influent and effluent sample locations drawing
MH7-MH9	Area of spring collection facility/underground.
MH10	Small race ways (3'X 100')
MH 11	Hole raceways (40'X40')
MH12-MH13	Spring collection diversion head boxes.
MH14	East end small raceways looking West toward the spring head box.
MH15	Effluent of Small raceways.
MH16-MH17	Large raceways (8'X 400").
MH18	Shop/Feed storage utility building.
MH19	Garage
MH20	Isolation basin/used for fish holding and visitor viewing.
MH21-MH23	Full Flow Settling basin / Outlet wall and structures
MH24-MH25	Inside hatchery building.

Exhibit B. Aerial Photo of Facility



Exhibit C. NONE

IDG130030

IDFG Mackay State Fish Hatchery

Inspection Conducted on

October 5, 2012

FILE

**Quality Assurance Plan
2008**

(Format revision Jan 2010)

PERMIT No. IDG 130030

State of Idaho Department of Fish and Game
Mackay State Fish Hatchery
4848 N. 5600 W.
Mackay, Idaho 83251

Permittee Signature

Name/Date

EPA Approval Signature

Name/Title/Date

Robert Hoover

ROBERT HOOVER 1-13-10

FILE

**Notice Of Intent (NOI) To Operate
Under NPDES General Permit #IDG-130000 for
AQUACULTURE FACILITIES in Idaho Subject to Wasteload Allocations**

Submission of this document constitutes notice that the party identified under Operator Name intends to be covered by the general permit authorizing discharges from aquaculture activities in Idaho that are subject to wasteload allocations and obligates the operator (permittee) to comply with the terms and conditions of the permit.

Facility Owner/Operator Information

Operator's Name (Permittee): State of Idaho Department of Fish and Game	Phone: 208-334-3791
Address: 600 South Walnut Street P O Box 25 Boise, Idaho 83707	Fax: 208-334-2114 E-Mail Address: tom.frew@idfg.idaho.gov
Owner's Name: (SAME)	Phone:
Address: (SAME)	Fax: E-Mail Address:

Facility Information

Facility Name: Mackay State Fish Hatchery	Phone: 208-588-2219
Address: 4848 N 5600 W Mackay, Idaho 83251	Fax: 208-588-2408 E-Mail Address: pat.moore@idfg.idaho.gov County: Custer
Facility Manager (or Contact) and Address: Robert Hoover - contact	Phone: 208-588-2219 Fax: 208-588-2408 E-Mail: mick.hoover@idfg.idaho.gov
Facility Latitude (New Permittees Only): (to closest 15 seconds):	Facility Longitude (New Permittees Only): (to the closest 15 seconds):
NPDES Permit No: IDG-130030	Commercial Fish Rearing License Number: (include a copy of the license with this notice)
Other Numbers(s) Assigned to Facility & Source Waters: IDWR Water Right Number: 34-10919	Date Facility was first operated, if known: 1925

PAT OFF

September 2012	October 2012	November 2012	December 2012
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 9 10 11 12
7 8 9 10 11 12	7 8 9 10 11 12	9 10 11 12 13 14 15	13 14 15 16 17 18 19
13 14 15 16 17 18	13 14 15 16 17 18	16 17 18 19 20 21 22	20 21 22 23 24 25 26
19 20 21 22 23 24	19 20 21 22 23 24	23 24 25 26 27 28 29	27 28 29 30 31

United States Environmental Protection Agency
Region 10
1200 Sixth Avenue, Suite 900
Seattle, Washington 98101

**Authorization to Discharge under the
National Pollutant Discharge Elimination System**

In compliance with the provisions of the Clean Water Act, 33 U.S.C. §1251 *et seq.*, as amended by the Water Quality Act of 1987, P.L. 100-4, the "Act",

**Aquaculture Facilities in Idaho,
subject to Wasteload Allocations
under Selected Total Maximum Daily Loads**

which are described in Part I of this general National Pollutant Discharge Elimination System (NPDES) permit are authorized to discharge to waters of the United States, in accordance with discharge points, effluent limitations, monitoring requirements and other conditions set forth herein.

A copy of this General Permit shall be kept at the facility where discharges occur. See Part V.F. of the permit.

This permit shall become effective *December 1, 2007*.

This permit and the authorization to discharge shall expire at midnight, *November 30, 2012*.

Each permittee shall reapply for a reauthorization to discharge on or before *June 3, 2012*, 180 days before the expiration of this permit, if the permittee intends to continue operations and discharges at the facility beyond the term of this permit.

Signed this *25* day of *Oct*, *2007*


Michael F. Greenberg, Director
Office of Water and Watersheds

WEDNESDAY

ANNUAL REPORT OF OPERATIONS FOR YEAR 2011

Idaho Aquaculture Permit

I. Facility Name: Mackay State Fish Hatchery		NPPES # IDG 130030
Operator Name (Permittee): Idaho Department of Fish and Game		Phone: 208-888-2219
Address: 4848 N. 5600 W., Mackay, Idaho 83251		Fax: 208-888-2408
		E-Mail: mick.hoover@idfg.idaho.gov
Owner Name (if different from operator): N/A		Phone: N/A

II. Annual Production:	Harvestable weight produced in the year: 72,399 pounds
------------------------	--

III. Food Used:	Number of pounds of food fed to the fish during the maximum month: April 2011: 11,302 pounds
-----------------	--

IV. Noncompliance Summary:
A Big Lost River TMDL Addendum was submitted (Aug. 2011) to USEPA by IDEQ suggesting the removal or change of the WLA for temperature at the IDFG Mackay Fish Hatchery, however after review, more clarification and data is required. We will continue to monitor the hatchery's spring temperatures by using remote temperature-recording devices and provide any necessary data to IDEQ for subsequent addendum(s), public review process, and re-submittal. IDEQ contact: Troy Saffie, Regional Water Quality Mgr., 900 N. Skyline, Suite B, Idaho Falls, Idaho 83402. Phone: 208-528-2650

V. Best Management Practices (BMP) Plan	N Yes	No
BMP Plan has been reviewed this year:	X Yes	No
BMP Plan fulfills the requirements set forth in the permit:	X Yes	No
Summarize changes in the BMP Plan since last annual report:	None	

VI. Land application of solids and/or irrigation with wastewater		
(Attach Maps of Application Sites. (Note: IDAPA 58.01.02.650 requires IDEQ approval for solids disposal on land.) There was no land application of biosolids in 2011		
Date	Location and Acreage of Application	Solids Applied in Cubic Yards or Pounds
N/A	N/A	N/A
Yearly Total		N/A

9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

WEDNESDAY

277180 4

FILE

**Best Management Practices Plan
2008**
(Format revision January 2010)

277180
JMD
10/11

State of Idaho Department of Fish and Game
Mackay State Fish Hatchery
4848 N. 5600 W.
Mackay, Idaho 83251

Permittee Signature

Name/Date

Robert Hoover
ROBERT HOOPER
1-13-10

PAT DPT

September 2012	October
S M T W T F S	S M T W T F S
1 2 3 4 5 6	1 2 3 4 5 6
7 8 9 10 11 12 13	7 8 9 10 11 12 13
14 15 16 17 18 19 20	14 15 16 17 18 19 20
21 22 23 24 25 26 27	21 22 23 24 25 26 27
28 29 30	28 29 30
	31







































